

VULCAN TOOLS



VULCAN TOOL MANUFACTURING CO.

QUINCY - MASSACHUSETTS

VULCAN
2-00-



VULCAN TOOL MANUFACTURING CO.
QUINCY - MASSACHUSETTS

VULCAN

High Grade

TOOLS



CATALOG NUMBER TEN

1953

Sales Representative

SURPLESS, DUNN & COMPANY

57 Leonard St., New York 13, N. Y. • 34 No. Clinton St., Chicago 6, Ill.

VULCAN TOOL MANUFACTURING COMPANY

41 LIBERTY STREET • QUINCY 69 • MASSACHUSETTS



VULCAN TOOLS



From a modest beginning in 1890 our plant is now the largest and most modern of its kind. Completely equipped for quantity and quality production, rigid standards, thoroughness in every shop operation, combine to give Vulcan tools a conspicuous stamp of superiority in every detail of appearance, construction and performance.

*Our Guarantee of Satisfaction
Is Your Protection*

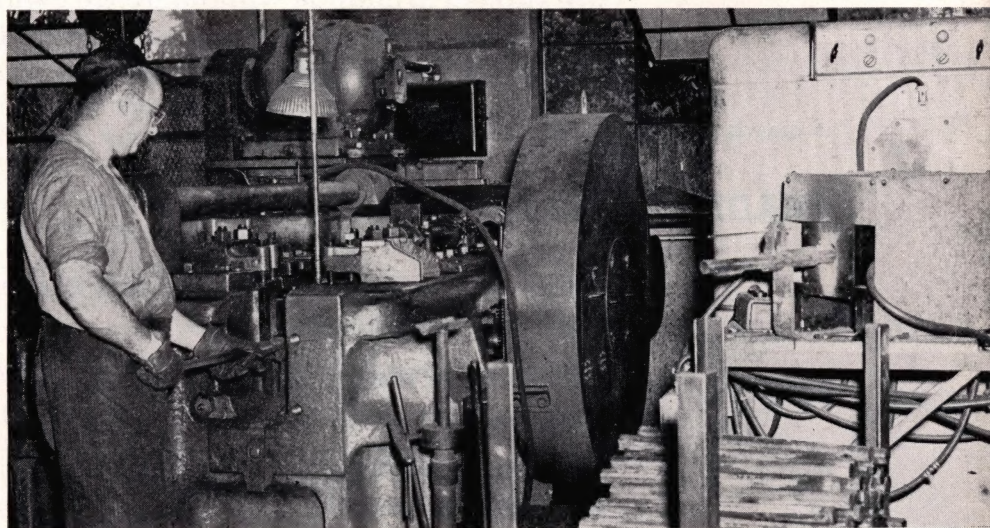
in Quantity and Quality for Your Protection

A section of our steel storage which includes over one hundred different sizes and shapes for manufacture of the smaller tools. Note rapid cutting facilities at either side.



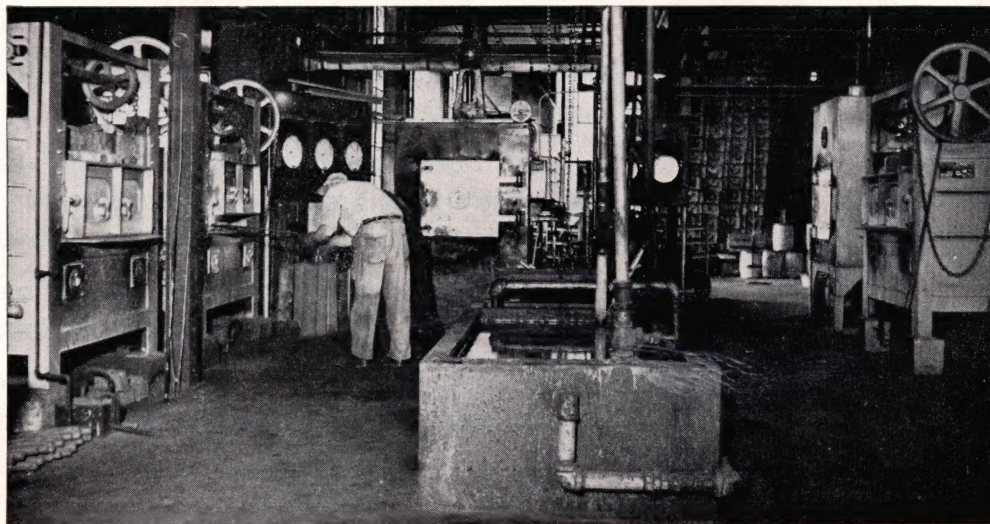
Efficient Operations for Your Economy

A typical example of VULCAN production leadership. Moil point steels are electrically heated for forming precision shanks with amazing rapidity in a powerful forging machine.



Controlled Heat Treatment for Your Satisfaction

A section of our extensive heat treating facilities. Each unit is electrically controlled for time and temperature to insure unsurpassed uniformity.





VULCAN TOOLS



OUR GUARANTEE

We guarantee Vulcan Tools to be as represented. We also guarantee them against flaws in material and defects in workmanship, and a liberal adjustment will be made on every tool which fails to give absolute satisfaction.

PRICES

See our latest price sheet for list prices and discounts. Prices are subject to change without notice owing to changing market conditions. We guarantee to maintain the lowest possible prices consistent with good material and workmanship.

TRADE CUSTOMS

As far as possible we shall adhere to the following well established trade customs:

Unless otherwise specified or agreed upon, all bills are sold for cash and are payable within thirty days from date of invoice.

Sales are subject to delays from strikes, accidents, or causes beyond our control.

Claims for shortage or deductions for erroneous charges must be presented promptly or they will not be allowed.

Our responsibility ceases when goods are receipted for in good condition by the carriers.

Special goods made to order cannot be returned for credit. Cancellation of orders for special goods will not be allowed if the manufacture of the material has been commenced.

Regular goods returned for credit will be subject to charge for transportation and other expenses incurred.

Orders from those who are unknown to us must be accompanied with cash or suitable commercial reference.

**VULCAN
TOOLS
ARE OF
GUARANTEED
QUALITY**

CODE

For the convenience of our customers we have prepared a telegraph code covering principal matters relating to shipments, orders and terms. The use of this code in conjunction with the catalog number of the item as listed in this catalog will greatly simplify the transmission of telegrams and save the expense of lengthy messages.

ORDERS AND INQUIRIES

ACCEDE:	<i>Ship at once.</i>
ACCENT:	<i>Ship as soon as possible.</i>
ACCEPT:	<i>Ship by express.</i>
ACCESS:	<i>Ship by freight.</i>
ACCIDENT:	<i>If you cannot ship at once, wire earliest shipping date.</i>
ACCOST:	<i>Hasten shipment of.</i>
ACCOUNT:	<i>Duplicate shipment of.</i>
ACCRUE:	<i>If you cannot ship at once, don't enter order.</i>
ACCURATE:	<i>Trace shipment of.</i>
ACCURSE:	<i>Ship what you have ready, balance follow as soon as possible.</i>
ACCUSE:	<i>Have you in stock.</i>
ACE:	<i>When can you ship.</i>
ACHE:	<i>When will you ship our order of.</i>
ACHIEVE:	<i>Cancel our order for.</i>
ACID:	<i>Add to our order of.</i>
ACME:	<i>Enter order your letter of.</i>
ACORN:	<i>Enter order your quotation of.</i>
ACOUSTIC:	<i>Shipping instructions follow.</i>
ACQUIT:	<i>Quote us on.</i>
ACTION:	<i>Quote by wire lowest price on.</i>
ACTUAL:	<i>Wire earliest shipping date.</i>

ANSWERS

BEACH:	<i>Can ship immediately upon receipt of order.</i>
BEACON:	<i>Have none in stock.</i>
BEAD:	<i>Order entered, expect to ship.</i>
BEAK:	<i>Will ship today.</i>
BEAM:	<i>Expect to ship.</i>
BEAN:	<i>Can make partial shipment from stock completing in.</i>
BEAR:	<i>Shipment made complete.</i>
BEARD:	<i>Too late to cancel order.</i>
BEAST:	<i>F.O.B. Destination.</i>
BEAU:	<i>F.O.B. Factory.</i>
BEAVER:	<i>30 days net.</i>
BECALM:	<i>Terms cash.</i>
BECAUSE:	<i>Quotation for immediate acceptance.</i>
BECKON:	<i>Letter follows with particulars.</i>



STEEL TREATMENT

Since no steel tool is any better than its hardening, and since many of the tools in the following pages must be sharpened and re-hardened before they are worn out, we have thought it advisable briefly to outline here something of the behavior of tool steel when it is heated and cooled, and the best practice to follow in forging, hardening, and tempering.

Basically, tool steel is an alloy of iron and carbon. The carbon is in the form of very small particles of iron carbide scattered throughout the iron. Other alloys, such as Vanadium, Chromium or Molybdenum, are sometimes added to improve the quality, but these would not be helpful if it were not for the carbon. They work with and serve to strengthen the effect of the carbon.

What is the action of the iron carbide? Simply this: at a dull red heat it dissolves in the iron, just as sugar dissolves in coffee. When the hot steel is quenched, it stays dissolved, except for very fine particles — so small that even a powerful microscope will not disclose them. These act to key the whole mass of the steel together — making it hard.

If you break a hardened piece of tool steel, you will see that it is crystalline. A trained observer can tell the hardening heat that was used by noting the size of the crystals. For as soon as the iron carbide dissolves, the crystal grains begin to grow, so that their final size is determined by the temperature. A coarse grain is weak and brittle. This brings us to the precautions to be observed in

Forging

1. Since carbon is necessary to the hardening of tool steel, it must not be removed. Air, or gas with an excess of air, blown against hot steel will remove the carbon from the surface. Therefore, avoid sharp blasts or a "cutting flame." When you see little explosions coming from the hot steel, you are burning out the carbon.
2. The grain size of forged tool steel is determined by the finishing temperature. The ideal finishing temperature to secure the finest grain for carbon tool steel is a dull red. Steel finished at a yellow heat will be coarse-grained and may crack in hardening.
3. Steel may be "burst" by a cold center. Therefore, heat slowly to be sure the center is up to heat before the outside is overheated.
4. Special precautions must be taken, when forging steel that has once been hardened. Unless it is heated very slowly — particularly at first — it will crack.
5. Many tools, such as Moil Points, Asphalt Cutters, Chisel Bits, Clay Spades, etc., are furnished by us hardened and tempered *all over*, so as to give the whole tool extra strength and resistance to fatigue. **When re-forging and re-hardening such tools, take care to confine the heat as closely as possible to the point.** Avoid drawing the temper out of the remainder of the tool — thus weakening it.

Hardening

1. Never attempt to harden directly from the forging. No man is skillful enough to finish his forging with a sufficiently even heat. Cool slowly from the forging, then reheat to a dull cherry red, for hardening.
2. When heating for hardening, do not use your blast. Let the heat soak slowly into the steel. We cannot make this too emphatic. If you do not, the thin parts of the tool will be at much too high a heat, consequently coarse-grained and weak before the heavy parts are up to heat. *Low and slow* is the motto for hardening.
3. Quench in clean cool water or brine. Avoid sharp junction lines of hard and soft metal by moving the tool up and down. Try to get an even flow of the quench over all parts to be hardened.

Tempering

Tool steel, when hardened, is in a highly strained condition. It should never be put to work without tempering, to relieve these strains. When tempering is done by letting the heat run back to a definite color, the rate of heating is usually too fast to relieve these strains fully. Therefore, it often pays to re-polish and again

apply heat to bring the point of the tool to the desired color. Most of the tools illustrated herewith should be tempered somewhere between a very light straw and a purple, using the lighter colors for parts that must stand the most wear and the darker for those which require the greatest toughness.

The observance of these few simple rules will prevent many a cracked or broken tool.

CONTROLLED
HEAT
TREATMENT
FOR YOUR
SATISFACTION



PAVEMENT BREAKING TOOLS



VULCAN TOOL MANUFACTURING COMPANY

41 LIBERTY STREET • QUINCY 69 • MASSACHUSETTS



Pavement Breaking Tools

SUPER



SERVICE

The Vulcan Super-Service line is our outstanding contribution for better service to Contractors. Developed to meet your demand for superior paving breaker steels they are the most economical tools you can buy.

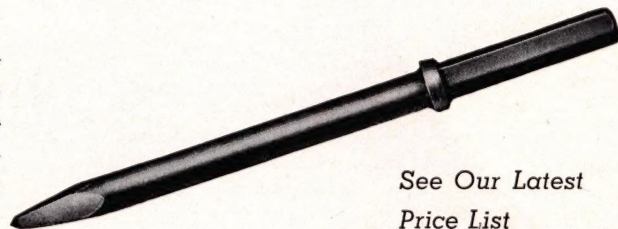
Here are five good reasons why you should specify Super-Service steels on your next order.

1. Exceptionally durable because they are made from a shock resisting steel which can be properly resharpened by the average blacksmith.
2. Unusual strength which practically eliminates painful accidents caused by steel breakage.
3. Unexcelled performance because they will "take it" day in and day out from hard and fast hitting hammers.
4. Time-tested for more than two decades.
5. Liberally guaranteed.

You can profit by the experience of those who are using these tools profitably every day.

SUPER-SERVICE MOIL POINT

A tool of remarkable strength and durability developed to meet the demand for the utmost in performance. Positively guaranteed against breakage below the shank collar if not affected by improper heating when resharpened.



See Our Latest
Price List

Size of Steel under Collar	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
1 1/8" Round	1 " x 4 1/4"	14" 18"	5 1/4 lbs. 6 1/4 lbs.	1013R 1014R
1 1/4" Round	1 1/8" x 6 "	14" 18" 24"	6 1/2 lbs. 8 lbs. 10 lbs.	1019R 1020R 1021R
1 3/8" Round	1 1/4" x 6 "	14" 18" 24"	7 3/4 lbs. 9 1/2 lbs. 12 lbs.	1023R 1024R 1025R

**MAKE
YOUR
CHOICE
VULCAN
SUPER-
SERVICE**

Pavement Breaking Tools



PAGE

9

SUPER-SERVICE NARROW CHISEL BIT



See Our Latest
Price List

Size of Steel under Collar	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
1 $\frac{1}{8}$ " Round	1 " x 4 $\frac{1}{4}$ "	14" 18"	5 $\frac{1}{4}$ lbs. 6 $\frac{1}{4}$ lbs.	925R 926R
1 $\frac{1}{4}$ " Round	1 $\frac{1}{8}$ " x 6 "	14" 18" 24"	6 $\frac{3}{4}$ lbs. 8 $\frac{1}{4}$ lbs. 10 $\frac{1}{4}$ lbs.	1030R 1031R 1032R
1 $\frac{3}{8}$ " Round	1 $\frac{1}{4}$ " x 6 "	14" 18" 24"	8 lbs. 9 $\frac{3}{4}$ lbs. 12 $\frac{1}{4}$ lbs.	1034R 1035R 1036R

Note: — The width of the chisel bit is the same as the size of steel. Blade widths from $\frac{3}{4}$ " to 2" can be furnished to order.

SUPER-SERVICE DEMOLITION CHISEL

On certain types of concrete breaking the wedge-shaped point will fracture more quickly with less effort. Remains sharp longer and will not stick.



Size of Steel under Collar	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
1 $\frac{1}{4}$ " Round	1 $\frac{1}{8}$ " x 6"	14" 18"	6 $\frac{3}{4}$ lbs. 8 $\frac{1}{4}$ lbs.	953R 954R
1 $\frac{3}{8}$ " Round	1 $\frac{1}{4}$ " x 6"	14" 18"	8 lbs. 9 $\frac{3}{4}$ lbs.	955R 956R

SUPER-SERVICE 3 INCH CHISEL BIT



Size of Steel under Collar	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
1 $\frac{1}{8}$ " Round	1 " x 4 $\frac{1}{4}$ "	14" 18"	6 lbs. 7 lbs.	936R 937R
1 $\frac{1}{4}$ " Round	1 $\frac{1}{8}$ " x 6 "	14" 18"	7 $\frac{1}{4}$ lbs. 8 $\frac{1}{2}$ lbs.	1040R 1041R
1 $\frac{3}{8}$ " Round	1 $\frac{1}{4}$ " x 6 "	14" 18"	8 $\frac{1}{4}$ lbs. 10 lbs.	1042R 1043R

VULCAN
TOOLS
SURE
SUPER
VALUE



Pavement Breaking Tools



The Symbol for Tool Economy and Dependability

The development of the finest and most complete line of Pavement Breaking, Clay Digging and Rock Drilling tools, as shown on the following pages, covers over sixty years of experience. The use of harder and faster hitting hammers requires better tools and it is our constant aim to improve on existing standards to give our customers the best obtainable in service and satisfaction.

For your protection we insist that absolute dependability be incorporated in every tool we manufacture. To those who have not tested the rugged strength and durability of Vulcan tools we can only say — Vulcan tools give you dependable performance at the lowest possible cost.

See Our Latest
Price List

STANDARD MOIL POINT

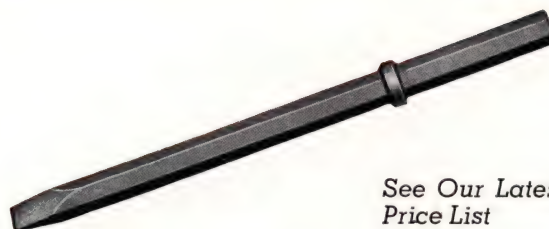
A typical example of Vulcan leadership and dependability.



Size of Steel	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
$\frac{7}{8}$ " hex.	$\frac{7}{8}$ " x $3\frac{1}{4}$ "	12"	$2\frac{3}{4}$ lbs.	1010
		14"	$3\frac{1}{4}$ lbs.	1011
		18"	4 lbs.	1012
1 " hex.	1 " x $4\frac{1}{4}$ "	14"	$4\frac{1}{2}$ lbs.	1013
		18"	$5\frac{1}{2}$ lbs.	1014
		24"	$6\frac{3}{4}$ lbs.	1015
1 " hex.	1 " x 6 "	14"	$4\frac{3}{4}$ lbs.	1016
		18"	$5\frac{3}{4}$ lbs.	1017
		24"	$7\frac{1}{4}$ lbs.	1018
$1\frac{1}{8}$ " hex.	$1\frac{1}{8}$ " x 6 "	14"	6 lbs.	1019
		18"	$7\frac{1}{2}$ lbs.	1020
		24"	9 lbs.	1021
		30"	11 lbs.	1022
$1\frac{1}{4}$ " hex.	$1\frac{1}{4}$ " x 6 "	14"	$7\frac{1}{2}$ lbs.	1023
		18"	9 lbs.	1024
		24"	$11\frac{1}{2}$ lbs.	1025
		30"	$13\frac{3}{4}$ lbs.	1026

THE
HARDEST
CONCRETE
YIELDS
TO A
VULCAN

STANDARD NARROW CHISEL BIT



See Our Latest
Price List

Size of Steel	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
$\frac{7}{8}$ " hex.	$\frac{7}{8}$ " x $3\frac{1}{4}$ "	14"	$3\frac{1}{4}$ lbs.	923
		18"	4 lbs.	924
1" hex.	1" x $4\frac{1}{4}$ "	14"	$4\frac{1}{2}$ lbs.	925
		18"	$5\frac{1}{2}$ lbs.	926
		24"	$6\frac{3}{4}$ lbs.	927
1" hex.	1" x 6"	14"	$4\frac{1}{2}$ lbs.	1027
		18"	$5\frac{1}{2}$ lbs.	1028
		24"	7 lbs.	1029
$1\frac{1}{8}$ " hex.	$1\frac{1}{8}$ " x 6"	14"	6 lbs.	1030
		18"	$7\frac{1}{2}$ lbs.	1031
		24"	9 lbs.	1032
		30"	11 lbs.	1033
$1\frac{1}{4}$ " hex.	$1\frac{1}{4}$ " x 6"	14"	$7\frac{1}{2}$ lbs.	1034
		18"	9 lbs.	1035
		24"	$11\frac{1}{2}$ lbs.	1036
		30"	$13\frac{3}{4}$ lbs.	1037

Note: — The width of the chisel bit is the same as the size of steel. Blade widths from $\frac{3}{4}$ " to 2" can be furnished to order.

STANDARD 3 INCH CHISEL BIT



Size of Steel	Size and Length of Hexagon Shank	Standard Length under Collar	Weight	Catalog Number
$\frac{7}{8}$ " hex.	$\frac{7}{8}$ " x $3\frac{1}{4}$ "	14"	$3\frac{1}{2}$ lbs.	934
		18"	$4\frac{1}{4}$ lbs.	935
1" hex.	1" x $4\frac{1}{4}$ "	14"	$4\frac{3}{4}$ lbs.	936
		18"	$5\frac{3}{4}$ lbs.	937
1" hex.	1" x 6"	14"	5 lbs.	1038
		18"	6 lbs.	1039
$1\frac{1}{8}$ " hex.	$1\frac{1}{8}$ " x 6"	14"	$6\frac{3}{4}$ lbs.	1040
		18"	$7\frac{3}{4}$ lbs.	1041
$1\frac{1}{4}$ " hex.	$1\frac{1}{4}$ " x 6"	14"	$8\frac{1}{4}$ lbs.	1042
		18"	$9\frac{3}{4}$ lbs.	1043



Pavement Breaking Tools

ASPHALT CUTTER

An exceptional tool for cutting into any road surfacing material. A typical Vulcan Tool which adequately meets modern conditions and exacting modern demands.



See Our Latest
Price List

Size and Length of Hexagon Shank	Width of Blade	Length of Blade	Standard Length under Collar	Weight	Catalog Number
1 " x 4 1/4"	5"	6"	11"	7 1/4 lbs.	943
1 " x 6 "	5"	6"	11"	7 1/2 lbs.	1044
1 1/8" x 6 "	5"	6"	11"	8 1/2 lbs.	1045
1 1/4" x 6 "	5"	6"	11"	9 1/4 lbs.	1046

DIGGING CHISEL



Size and Length of Hexagon Shank	Width of Blade	Length of Blade	Standard Length under Collar	Weight	Catalog Number
7/8" x 3 1/4"	3"	10"	16 "	6 3/4 lbs.	945
1 " x 4 1/4"	3"	10"	16 "	7 lbs.	946
1 " x 6 "	3"	12"	15 1/2"	8 lbs.	1047
1 1/8" x 6 "	3"	12"	15 1/2"	8 1/2 lbs.	1048
1 1/4" x 6 "	3"	12"	15 1/2"	11 lbs.	1049

*Note: — This size can be furnished to fit any Clay Digger — see page 18 for sizes.

FROST WEDGE



Size and Length of Hexagon Shank	Size of Wedge	Standard Length under Collar	Weight	Catalog Number
1 " x 4 1/4"	1 3/4" square, 12" long	17 1/2 inches	9 lbs.	810
1 " x 6 "	1 3/4" square, 12" long	17 1/2 inches	9 1/4 lbs.	811
1 1/8" x 6 "	2 " square, 12" long	17 1/2 inches	12 1/2 lbs.	812
1 1/4" x 6 "	2 " square, 12" long	17 1/2 inches	14 lbs.	813

VULCAN
TOOLS
ARE OF
UNIFORM
QUALITY

HEAVY CLAY SPADE

See Our Latest
Price List



Size and Length of Hexagon Shank	Size of Blade	Length Overall	Weight	Catalog Number
1" x 4 1/4"	5 1/2" wide, 8 1/2" long	21"	7 1/4 lbs.	972
1" x 6"	5 1/2" wide, 8 1/2" long	23"	7 1/2 lbs.	973
1 1/8" x 6"	4 1/2" wide, 8 1/2" long	23"	8 lbs.	1074
1 1/8" x 6"	5 1/2" wide, 8 1/2" long	23"	8 1/2 lbs.	1075
1 1/4" x 6"	4 1/2" wide, 8 1/2" long	23"	10 1/2 lbs.	1076
1 1/4" x 6"	5 1/2" wide, 8 1/2" long	23"	11 lbs.	1077

Note: — This tool has a curved blade which is ground smooth for easy penetration.

PIN DRIVER

For driving form pins on concrete road construction with a light Pavement Breaker. Does away with the laborious hand method.



Size and Length of Hexagon Shank	Size of Hole in Cupped End	Length under Collar	Weight	Catalog Number
1" x 4 1/4"	3/4" deep, 1 1/2" dia.	8"	5 lbs.	825

SPLITTING WEDGE

(with Shims)

An excellent tool for breaking up any rock formation where the use of dynamite would be dangerous.



Size and Length of Hexagon Shank	Size of Wedge	Length under Collar	Suitable for Drill Hole Size	Weight	Catalog Number
1" x 4 1/4"	1 1/2" sq., 12" long	17 1/2"	2" dia., 12" deep	8 1/4 lbs.	815
1" x 6"	1 1/2" sq., 12" long	17 1/2"	2" dia., 12" deep	8 1/2 lbs.	816
1 1/8" x 6"	1 1/2" sq., 12" long	17 1/2"	2" dia., 12" deep	9 1/4 lbs.	817
1 1/4" x 6"	1 1/2" sq., 12" long	17 1/2"	2" dia., 12" deep	10 1/4 lbs.	818

Shims for all sizes are 12" long and are sold separately. Weight per set 5 lbs. Catalog No. 1311-S.



Pavement Breaking Tools

DETACHABLE SHANK

See Our Latest
Price List

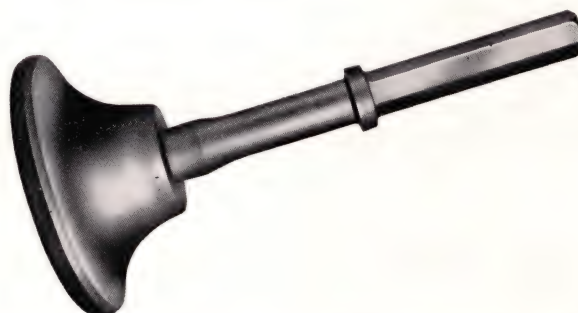


Size and Length of Hexagon Shank	Diameter at Small End of Taper	Length under Collar	Weight	Catalog Number
*7/8" x 3 1/4"	1 "	16 "	4 lbs.	864
1 " x 4 1/4"	1 1/4"	8 1/2"	4 1/2 lbs.	865
1 " x 6 "	1 1/4"	8 1/2"	4 3/4 lbs.	866
1 1/8" x 6 "	1 1/4"	8 1/2"	5 1/4 lbs.	867
1 1/4" x 6 "	1 1/4"	8 1/2"	6 1/4 lbs.	868

ROUND DIRT TAMPER

(With Detachable Shank)

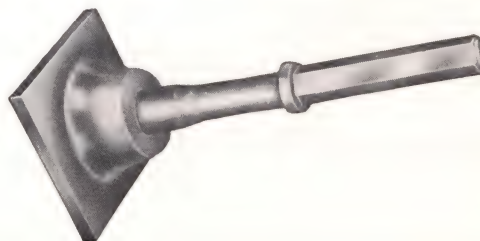
See Our Latest
Price List



Size and Length of Hexagon Shank	Size of Base	Length Overall	Weight	Catalog Number
*7/8" x 3 1/4"	5 " dia.	19 1/2"	8 lbs.	964
1 " x 4 1/4"	6 3/4" dia.	13 1/4"	21 lbs.	965
1 " x 6 "	6 3/4" dia.	14 1/2"	21 1/4 lbs.	1066
1 1/8" x 6 "	6 3/4" dia.	14 1/2"	22 lbs.	1067
1 1/4" x 6 "	6 3/4" dia.	15 "	23 lbs.	1068

SQUARE DIRT TAMPER

(With Detachable Shank)



Size and Length of Hexagon Shank	Size of Base	Length Overall	Weight	Catalog Number
*7/8" x 3 1/4"	5 1/2" square	19 1/2"	10 lbs.	967
1 " x 4 1/4"	6 " square	12 3/4"	16 lbs.	968
1 " x 6 "	8 " square	12 3/4"	22 lbs.	969
1 " x 6 "	6 " square	14 1/2"	16 1/4 lbs.	1069
1 1/8" x 6 "	6 " square	14 1/2"	17 lbs.	1070
1 1/8" x 6 "	8 " square	14 1/2"	23 lbs.	1071
1 1/4" x 6 "	6 " square	15 "	18 lbs.	1072
1 1/4" x 6 "	8 " square	15 "	24 lbs.	1073

*Note: — These are for light weight tampers used with small hammers. The base socket and shank taper are special and do not interchange with our heavier tampers.

VULCAN
EQUIPMENT
INSURES
MAXIMUM
ECONOMY

SHEATHING DRIVER

(With Detachable Shank)

This tool is not intended to take the place of the heavy pneumatic hammer especially built for driving sheathing but will prove a decided saving and advantage on many construction projects.



Size and Length of Hexagon Shank	Length Overall	Distance Between Top of Base and Collar	To Fit Wood Sheathing	Weight	Catalog Number
1" x 4 1/4"	14 3/4"	4 1/2"	2" thick	22 1/2 lbs.	949
1" x 6"	16 1/2"	4 1/2"	2" thick	23 lbs.	1050
1 1/8" x 6"	16 1/2"	4 1/2"	2" thick	23 1/2 lbs.	1051
1 1/8" x 6"	16 1/2"	4 1/2"	3" thick	26 lbs.	1052
1 1/4" x 6"	17 1/2"	5 1/2"	2" thick	24 1/2 lbs.	1053
1 1/4" x 6"	17 1/2"	5 1/2"	3" thick	27 lbs.	1054

For other sheathing tools such as Sheathing Clamps and Plank Caps, see catalog page 41.

BRICK REMOVING WEDGE

An exceptional tool for breaking up block pavement or demolishing brick walls.



Size and Length of Hexagon Shank	Size of Wedge	Length under Collar	Weight	Catalog Number
1" x 4 1/4"	1 1/2" x 2 1/4"	11 1/2"	6 1/2 lbs.	950
1 1/8" x 6"	1 1/2" x 2 1/4"	11 1/2"	7 3/4 lbs.	951
1 1/4" x 6"	1 1/2" x 2 1/4"	11 1/2"	9 1/4 lbs.	952

ROCK BREAKER

Designed for breaking large boulders or concrete wherever dynamite cannot be used. Breaking pressure exerted by simply driving into a drilled hole at least 12" to 15" deep.



Size and Length of Hexagon Shank	Diameter of Taper		Suitable for Drill Hole Size	Weight	Catalog Number
	Large End	Small End			
1 1/8" x 6"	2"	1"	1 1/4" to 1 3/4"	9 1/2 lbs.	840
1 1/8" x 6"	2 1/4"	1 1/4"	1 1/2" to 2"	11 1/4 lbs.	841
1 1/8" x 6"	2 1/2"	1 1/2"	1 3/4" to 2 1/4"	13 lbs.	842
1 1/4" x 6"	2"	1"	1 1/4" to 1 3/4"	10 1/2 lbs.	843
1 1/4" x 6"	2 1/4"	1 1/4"	1 1/2" to 2"	12 1/4 lbs.	844
1 1/4" x 6"	2 1/2"	1 1/2"	1 3/4" to 2 1/4"	14 lbs.	845

Length under Collar — all sizes, 14 1/2". Length of Taper only — 8".



Pavement Breaking Tools

GROUND ROD DRIVER

(Socket Type)



See Our Latest
Price List

Size and Length of Hexagon Shank	Driving Socket		For Rod Size	Length Overall	Weight	Catalog Number
	Diameter	Depth				
1 " x 4 1/4"	1 1/16"	3"	5/8"	12"	3 1/2 lbs.	835
1 " x 4 1/4"	13/16"	3"	3/4"	12"	3 1/2 lbs.	836
1 1/8" x 6 "	1 1/16"	3"	5/8"	14"	4 lbs.	837
1 1/8" x 6 "	13/16"	3"	3/4"	14"	4 lbs.	838

GROUND ROD DRIVER

(Male Type)



Size and Length of Hexagon Shank	Driving Point		Length Overall	Weight	Catalog Number
	Diameter	Length			
1 1/8" x 6"	39/64"	3"	14"	3 3/4 lbs.	829

SOLID DRILL STEELS

For emergency drilling with Paving Breakers we can supply drills made from solid hexagon steel. We list the more popular sizes but can furnish any length required. Sharpened with 4 point cross bits, unless otherwise ordered. Bits larger than 2" are special.



Size of Steel	Size and Length of Hexagon Shank	Length under Collar	Weight	Catalog Number
1 " hex.	1 " x 4 1/4"	12"	4 1/2 lbs.	1055
		18"	6 lbs.	1056
		24"	7 1/2 lbs.	1057
1 1/8" hex.	1 1/8" x 6 "	12"	6 1/4 lbs.	958
		18"	8 lbs.	1058
		24"	10 lbs.	1059
		30"	11 3/4 lbs.	1060
		36"	13 3/4 lbs.	1061
1 1/4" hex.	1 1/4" x 6 "	18"	10 lbs.	1062
		24"	12 lbs.	1063
		30"	14 1/2 lbs.	1064
		36"	16 3/4 lbs.	1065

VULCAN
TOOLS
WITHSTAND
SEVERE
USAGE

Tie Tamping Tools



PAGE
17

TIE TAMPER BAR

(Plain Face)

Standard Shank Size
7/8" Hexagon, 2 5/8" Long



Face Dimensions	Length Overall	Used For	Weight	Catalog Number
5/8" x 3"	20"	2" Rock Ballast	6 lbs.	1512
5/8" x 3"	24"	2" Rock Ballast	6 3/4 lbs.	1522
7/8" x 3"	24"	Small Rock Ballast	7 lbs.	1523
1 1/8" x 3"	24"	Gravel and Slag	8 lbs.	1524
3/4" x 5"	24"	Cinders and Sand	8 lbs.	1525

TIE TAMPER BAR

(Tooth Face)

Standard Shank Size
7/8" Hexagon, 2 5/8" Long



Face Dimension	Length Overall	Used For	Weight	Catalog Number
3/4" x 5"	24"	Cinders and Sand	7 1/2 lbs.	1526

STUMP REMOVING GOUGE

A tool especially designed for cutting away large tree stumps. Used with a clay digger or light paving breaker. It accomplishes in a few hours a time-consuming task by any other method.



Size No.	Shank		Weight	Catalog Number
	Size	Length		
1	3/4" Square	2 3/4"	5 lbs.	801
2	7/8" Hexagon	2 3/4"	5 1/2 lbs.	802
3	3/4" Hex. Round	2 3/4"	5 lbs.	803
4	7/8" Hex. Round	3 1/4"	5 1/2 lbs.	804
5	7/8" Hexagon	3 1/4"	5 1/2 lbs.	805
6	1" Hexagon	4 1/4"	6 lbs.	806

VULCAN
HEAT
TREATMENT
INSURES
DOUBLE
STRENGTH



Clay Digging Tools

CLAY SPADE OR SCOOP

This tool is an outstanding example of Vulcan leadership. The curved blade is ground smooth to insure easy penetration and freedom from sticking clay. Shanks to fit every known type of Clay Digger.



See Our Latest
Price List

Size No.	Shank		Weight	Catalog Number
	Size	Length		
1	3/4" Square	2 3/4"	6 1/4 lbs.	1078
2	7/8" Hexagon	2 3/4"	6 1/2 lbs.	1079
3	3/4" Hex. Round	2 3/4"	6 1/4 lbs.	1080
4	7/8" Hex. Round	3 1/4"	6 1/2 lbs.	1081
5	7/8" Hexagon	3 1/4"	6 1/2 lbs.	982

Standard Blade 5 1/2" wide, 8 1/2" long. Also furnished with Blade 4 1/2" wide, 8 1/2" long. Standard length under collar is 16 1/4".

CLAY DIGGER CHISEL BLANK

Used for light demolition work or core breaking. Furnished with eithermoil point or chisel bit.



Size of Steel under Collar	Shank		Length under Collar	Weight	Catalog Number
	Size	Length			
1 " Round	3/4" Square	2 3/4"	12"	3 1/4 lbs.	1086
			15"	4 lbs.	1087
			18"	4 3/4 lbs.	1088
*1 1/8" Round	7/8" Hexagon	2 3/4"	12"	4 lbs.	1089
			15"	4 3/4 lbs.	1090
			18"	5 1/2 lbs.	1091
			24"	7 1/4 lbs.	1092
1 " Round	3/4" Hex. Round	2 3/4"	12"	3 1/4 lbs.	1093
			15"	4 lbs.	1094
			18"	4 3/4 lbs.	1095
1 1/8" Round	7/8" Hex. Round	3 1/4"	12"	4 lbs.	1096
			15"	5 lbs.	1097
			18"	5 3/4 lbs.	1098
			24"	7 1/2 lbs.	1099
*1 1/8" Round	7/8" Hexagon	3 1/4"	12"	4 lbs.	989
			15"	4 3/4 lbs.	990
			18"	5 1/2 lbs.	991
			24"	7 1/4 lbs.	992

*Note: — Some hammers require 1" round steel below collar for 7/8" hexagon shanks. Will furnish size listed unless otherwise specified.

THE
VULCAN
TRADE-MARK
DENOTES
DURABILITY

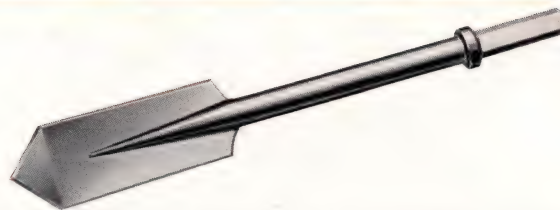
Clay Digging Tools



PAGE
19

3 INCH FLAT PICK

For use in hard clay. Blade is $7\frac{1}{2}$ " long. Length under collar is 16".



Size No.	Shank		Weight	Catalog Number
	Size	Length		
1	$\frac{3}{4}$ " Square	$2\frac{3}{4}$ "	$4\frac{1}{2}$ lbs.	1530
2	$\frac{7}{8}$ " Hexagon	$2\frac{3}{4}$ "	5 lbs.	1531
3	$\frac{3}{4}$ " Hex. Round	$2\frac{3}{4}$ "	$4\frac{1}{2}$ lbs.	1532
4	$\frac{7}{8}$ " Hex. Round	$3\frac{1}{4}$ "	5 lbs.	1533
5	$\frac{7}{8}$ " Hexagon	$3\frac{1}{4}$ "	5 lbs.	1534
6	1 " Hexagon	$4\frac{1}{4}$ "	$5\frac{1}{2}$ lbs.	1535

5 INCH FLAT PICK

For use in coarse gravel or hard clay. Blade is $8\frac{1}{2}$ " long. Length under collar is $16\frac{1}{4}$ ".



Size No.	Shank		Weight	Catalog Number
	Size	Length		
1	$\frac{3}{4}$ " Square	$2\frac{3}{4}$ "	$6\frac{1}{2}$ lbs.	1082
2	$\frac{7}{8}$ " Hexagon	$2\frac{3}{4}$ "	7 lbs.	1083
3	$\frac{3}{4}$ " Hex. Round	$2\frac{3}{4}$ "	$6\frac{1}{2}$ lbs.	1084
4	$\frac{7}{8}$ " Hex. Round	$3\frac{1}{4}$ "	7 lbs.	1085
5	$\frac{7}{8}$ " Hexagon	$3\frac{1}{4}$ "	7 lbs.	987
6	1 " Hexagon	$4\frac{1}{4}$ "	$7\frac{1}{2}$ lbs.	986

AXE BLADE

A tool designed for use in Clay Digging Hammers or light weight Pavement Breakers for root cutting. Blade is $4\frac{1}{2}$ " wide. Length under collar is 12".



Size No.	Shank		Weight	Catalog Number
	Size	Length		
1	$\frac{3}{4}$ " Square	$2\frac{3}{4}$ "	$3\frac{1}{4}$ lbs.	820
2	$\frac{7}{8}$ " Hexagon	$2\frac{3}{4}$ "	$3\frac{3}{4}$ lbs.	821
3	$\frac{3}{4}$ " Hex. Round	$2\frac{3}{4}$ "	$3\frac{1}{4}$ lbs.	822
4	$\frac{7}{8}$ " Hex. Round	$3\frac{1}{4}$ "	$3\frac{3}{4}$ lbs.	823
5	$\frac{7}{8}$ " Hexagon	$3\frac{1}{4}$ "	$3\frac{3}{4}$ lbs.	824
6	1 " Hexagon	$4\frac{1}{4}$ "	$4\frac{1}{4}$ lbs.	826



Drill Steels

DETACHABLE BIT RODS

The advantages of detachable bits largely depends upon properly made rods. Vulcan drill rods embody the results of long experience in the rock drilling field. Our equipment is modern and complete providing accurate threads that will properly fit and support the bit. We urge the use of rods made from round steel in preference to the hexagonal sections for greater strength.

See Our Latest
Price List

STANDARD SIZES FOR TIMKEN BITS

Size of Steel	Size of Shank	Thread		Catalog Number
		Type	Diameter	
7/8" Hexagon	7/8" Hex. x 3 1/4"	E	5/8"	418
7/8" Hexagon	7/8" Hex. x 3 1/4"	S	3/4"	419
7/8" Hexagon	7/8" Hex. x 3 1/4"	A	7/8"	420
7/8" Hexagon	7/8" Hex. x 3 1/4"	F	7/8"	537
7/8" Hexagon	7/8" Hex. x 3 1/4"	H	1"	520
1" Round	7/8" Hex. x 3 1/4"	F	7/8"	538
1" Round	7/8" Hex. x 3 1/4"	H	1"	521
1" Hexagon	1" Hex. x 4 1/4"	H	1"	522
1 1/8" Round	1" Hex. x 4 1/4"	H	1"	523
1 1/8" Round	1" Hex. x 4 1/4"	D	1 3/16"	423
1 1/8" Round	Lug	D	1 3/16"	424
1 1/4" Round	Lug	D	1 3/16"	524



STANDARD SIZES FOR INGERSOLL-RAND JACKBITS

Size of Steel	Size of Shank	Thread		Catalog Number
		Type	Diameter	
7/8" Hexagon	7/8" Hex. x 3 1/4"	0	3 1/32"	430
7/8" Hexagon	7/8" Hex. x 3 1/4"	1	1 3/32"	530
1" Round	7/8" Hex. x 3 1/4"	1	1 3/32"	531
1" Hexagon	1" Hex. x 4 1/4"	1	1 3/32"	532
1 1/8" Round	1" Hex. x 4 1/4"	1	1 3/32"	533
1 1/4" Round	Lug	2	1 1/32"	534
1 1/4" Round	Lug	3	1 1/32"	535



STANDARD SIZES FOR INGERSOLL-RAND CARSET JACKBITS

Size of Steel	Size of Shank	Thread		Catalog Number
		Type	Diameter	
7/8" Hexagon	7/8" Hex. x 3 1/4"	115	1 5/16"	601
1" Hexagon	1" Hex. x 4 1/4"	115	1 5/16"	602
1" Round	7/8" Hex. x 3 1/4"	115	1 5/16"	603
1 1/8" Round	1" Hex. x 4 1/4"	115	1 5/16"	604
1 1/8" Round	1" Hex. x 4 1/4"	118	1 1/8"	605
1 1/8" Round	Lug	115	1 5/16"	606
1 1/8" Round	Lug	118	1 1/8"	607
1 1/4" Round	Lug	115	1 5/16"	608
1 1/4" Round	Lug	118	1 1/8"	609



VULCAN
TOOLS
WITHSTAND
SEVERE
USAGE

HOLLOW DRILL STEELS

(With Forged Bit)

Vulcan Hollow Drill Steel Shanks and Bits are correctly shaped, true to size and properly tempered to insure maximum efficiency. The following standard sizes are furnished in any length required. Bits larger than 2" are special.



Size of Steel	Size of Shank	Type of Bit	Catalog Number
$\frac{7}{8}$ " Hex.	$\frac{7}{8}$ " x $3\frac{1}{4}$ "	4 point	1100
$\frac{7}{8}$ " Hex.	$\frac{7}{8}$ " x $3\frac{1}{4}$ "	6 point	1101
1" Hex.	1" x $4\frac{1}{4}$ "	4 point	1102
1" Hex.	1" x $4\frac{1}{4}$ "	6 point	1103

HOLLOW DRILL STEELS

(With Small Bit)

For drilling small holes for Expansion Bolt Sleeves. Made with 4 point bit unless otherwise ordered.



See Our Latest
Price List

Size and Length of Hexagon Shank	Bit Size	Drilling Depth	Length Under Collar	Catalog Number
$\frac{7}{8}$ " x $3\frac{1}{4}$ "	$\frac{3}{4}$ "	6"	18"	525
$\frac{7}{8}$ " x $3\frac{1}{4}$ "	$\frac{7}{8}$ "	8"	18"	526
$\frac{7}{8}$ " x $3\frac{1}{4}$ "	1"	8"	18"	527
$\frac{7}{8}$ " x $3\frac{1}{4}$ "	$1\frac{1}{8}$ "	12"	18"	528
$\frac{7}{8}$ " x $3\frac{1}{4}$ "	$1\frac{1}{4}$ "	12"	18"	529

Longer lengths furnished to order. For larger bit sizes order from listing at top of this page.

INSIST ON TOOLS WITH THIS TRADEMARK



IT IDENTIFIES THE GENUINE
— VULCAN TOOLS —
WHICH ARE NOTED FOR

Dependable Performance and Economy



Forging VULCAN Asphalt Cutters



To give you dependability with maximum economy our Asphalt Cutters, Clay Spades, and Digging Chisels are forged by skilled workmen in a powerful hammer which shapes the steel quickly and uniformly to insure a product known for its unsurpassed performance.



**PNEUMATIC
CHIPPING
HAMMER
TOOLS**



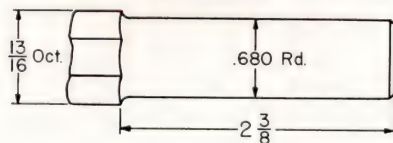
VULCAN TOOL MANUFACTURING COMPANY

41 LIBERTY STREET • QUINCY 69 • MASSACHUSETTS



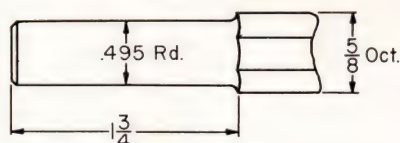
Chipping Hammer Tools

Type "A"

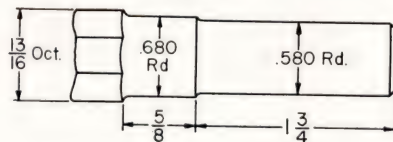


ROUND

Type "AS"

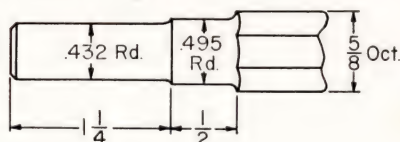


Type "B"

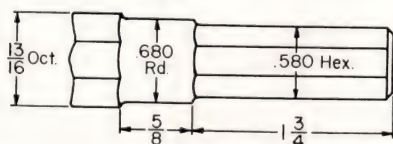


DIFFERENTIAL

Type "BS"

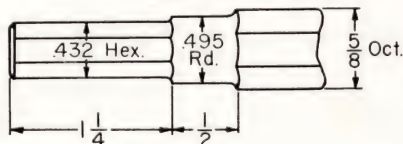


Type "C"



HEXAGON ROUND

Type "CS"

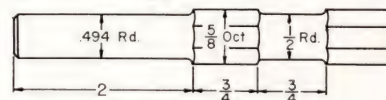


Type "D"



ROUND
RETAINER

Type "DS"

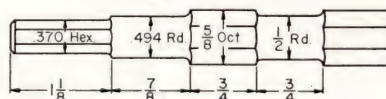


Type "E"

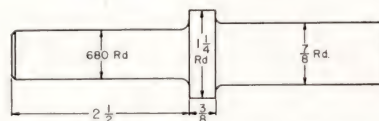


HEXAGON
ROUND RETAINER

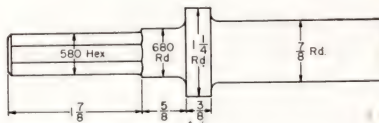
Type "ES"



Type "F"
ROUND COLLARED
RETAINER



Type "G"
HEXAGON ROUND COLLARED
RETAINER



Type "J"
ROUND (Used for Star Drills
with Rotating Wrench)



Due to the fact that there is some variation in the shank dimensions required for certain hammers it is important when ordering that the shank type as well as the make and size of hammer be specified.

VULCAN
SHANKS
ARE
ACCURATELY
MADE

Chipping Hammer Tools



PAGE
25

Blank



Shank Type	Size Stock	Length Overall	Catalog Number
A Rd.	13/16" Oct.	9"	A100
A Rd.	13/16" Oct.	12"	A101
B Diff.	13/16" Oct.	9"	B102
B Diff.	13/16" Oct.	12"	B103
C Hex. Rd.	13/16" Oct.	9"	C104
C Hex. Rd.	13/16" Oct.	12"	C105
AS Rd.	5/8" Oct.	9"	AS106
AS Rd.	5/8" Oct.	12"	AS107
BS Diff.	5/8" Oct.	9"	BS108
BS Diff.	5/8" Oct.	12"	BS109
CS Hex. Rd.	5/8" Oct.	9"	CS110
CS Hex. Rd.	5/8" Oct.	12"	CS111

Cape Chisel



Shank Type	Size Stock	Length Overall	Catalog Number
A Rd.	13/16" Oct.	9"	A160
A Rd.	13/16" Oct.	12"	A161
B Diff.	13/16" Oct.	9"	B162
B Diff.	13/16" Oct.	12"	B163
C Hex. Rd.	13/16" Oct.	9"	C164
C Hex. Rd.	13/16" Oct.	12"	C165
AS Rd.	5/8" Oct.	9"	AS166
AS Rd.	5/8" Oct.	12"	AS167
BS Diff.	5/8" Oct.	9"	BS168
BS Diff.	5/8" Oct.	12"	BS169
CS Hex. Rd.	5/8" Oct.	9"	CS170
CS Hex. Rd.	5/8" Oct.	12"	CS171

Bull Point



Shank Type	Size Stock	Length Overall	Catalog Number
A Rd.	13/16" Oct.	9"	A120
A Rd.	13/16" Oct.	12"	A121
B Diff.	13/16" Oct.	9"	B122
B Diff.	13/16" Oct.	12"	B123
C Hex. Rd.	13/16" Oct.	9"	C124
C Hex. Rd.	13/16" Oct.	12"	C125
AS Rd.	5/8" Oct.	9"	AS126
AS Rd.	5/8" Oct.	12"	AS127
BS Diff.	5/8" Oct.	9"	BS128
BS Diff.	5/8" Oct.	12"	BS129
CS Hex. Rd.	5/8" Oct.	9"	CS130
CS Hex. Rd.	5/8" Oct.	12"	CS131

Round Nose Cape Chisel



Shank Type	Size Stock	Length Overall	Catalog Number
A Rd.	13/16" Oct.	9"	A260
A Rd.	13/16" Oct.	12"	A261
B Diff.	13/16" Oct.	9"	B262
B Diff.	13/16" Oct.	12"	B263
C Hex. Rd.	13/16" Oct.	9"	C264
C Hex. Rd.	13/16" Oct.	12"	C265
AS Rd.	5/8" Oct.	9"	AS266
AS Rd.	5/8" Oct.	12"	AS267
BS Diff.	5/8" Oct.	9"	BS268
BS Diff.	5/8" Oct.	12"	BS269
CS Hex. Rd.	5/8" Oct.	9"	CS270
CS Hex. Rd.	5/8" Oct.	12"	CS271

Cold Chisel



Shank Type	Size Stock	Length Overall	Catalog Number
A Rd.	13/16" Oct.	9"	A180
A Rd.	13/16" Oct.	12"	A181
B Diff.	13/16" Oct.	9"	B182
B Diff.	13/16" Oct.	12"	B183
C Hex. Rd.	13/16" Oct.	9"	C184
C Hex. Rd.	13/16" Oct.	12"	C185
AS Rd.	5/8" Oct.	9"	AS186
AS Rd.	5/8" Oct.	12"	AS187
BS Diff.	5/8" Oct.	9"	BS188
BS Diff.	5/8" Oct.	12"	BS189
CS Hex. Rd.	5/8" Oct.	9"	CS190
CS Hex. Rd.	5/8" Oct.	12"	CS191

Diamond Point Chisel



Shank Type	Size Stock	Length Overall	Catalog Number
A Rd.	13/16" Oct.	9"	A200
A Rd.	13/16" Oct.	12"	A201
B Diff.	13/16" Oct.	9"	B202
B Diff.	13/16" Oct.	12"	B203
C Hex. Rd.	13/16" Oct.	9"	C204
C Hex. Rd.	13/16" Oct.	12"	C205
AS Rd.	5/8" Oct.	9"	AS206
AS Rd.	5/8" Oct.	12"	AS207
BS Diff.	5/8" Oct.	9"	BS208
BS Diff.	5/8" Oct.	12"	BS209
CS Hex. Rd.	5/8" Oct.	9"	CS210
CS Hex. Rd.	5/8" Oct.	12"	CS211

CHOICE OF
VULCAN
TOOLS
SIGNIFIES
WISE
ECONOMY



Chipping Hammer Tools

Joint Cutter



Shank Type		Size Stock	Cutting Edge	Length Overall	Catalog Number
A	Rd.	13/16" Oct.	1/4"	9"	A220
A	Rd.	13/16" Oct.	3/8"	9"	A221
B	Diff.	13/16" Oct.	1/4"	9"	B222
B	Diff.	13/16" Oct.	3/8"	9"	B223
C	Hex. Rd.	13/16" Oct.	1/4"	9"	C224
C	Hex. Rd.	13/16" Oct.	3/8"	9"	C225
AS	Rd.	5/8" Oct.	1/4"	9"	AS226
AS	Rd.	5/8" Oct.	3/8"	9"	AS227
BS	Diff.	5/8" Oct.	1/4"	9"	BS228
BS	Diff.	5/8" Oct.	3/8"	9"	BS229
CS	Hex. Rd.	5/8" Oct.	1/4"	9"	CS230
CS	Hex. Rd.	5/8" Oct.	3/8"	9"	CS231

Scaling Chisel



Shank Type		Size Stock	Length Overall	Blade Width	Catalog Number
A	Rd.	13/16" Oct.	9"	1 1/4" to 2"	A280
A	Rd.	13/16" Oct.	12"	1 1/4" to 2"	A281
B	Diff.	13/16" Oct.	9"	1 1/4" to 2"	B282
B	Diff.	13/16" Oct.	12"	1 1/4" to 2"	B283
C	Hex. Rd.	13/16" Oct.	9"	1 1/4" to 2"	C284
C	Hex. Rd.	13/16" Oct.	12"	1 1/4" to 2"	C285
AS	Rd.	5/8" Oct.	9"	1 1/4" to 2"	AS286
AS	Rd.	5/8" Oct.	12"	1 1/4" to 2"	AS287
BS	Diff.	5/8" Oct.	9"	1 1/4" to 2"	BS288
BS	Diff.	5/8" Oct.	12"	1 1/4" to 2"	BS289
CS	Hex. Rd.	5/8" Oct.	9"	1 1/4" to 2"	CS290
CS	Hex. Rd.	5/8" Oct.	12"	1 1/4" to 2"	CS291

Bushing Tool



Shank Type		Size Stock		No. Teeth	Lgth. Overall	Cat. No.
		Shank	Head			
A	Rd.	13/16" Oct.	1 1/2" Sq.	9	9"	A140
A	Rd.	13/16" Oct.	1 1/2" Sq.	16	9"	A141
B	Diff.	13/16" Oct.	1 1/2" Sq.	9	9"	B142
B	Diff.	13/16" Oct.	1 1/2" Sq.	16	9"	B143
C	Hex. Rd.	13/16" Oct.	1 1/2" Sq.	9	9"	C144
C	Hex. Rd.	13/16" Oct.	1 1/2" Sq.	16	9"	C145
AS	Rd.	5/8" Oct.	1 1/4" Sq.	9	9"	AS146
BS	Diff.	5/8" Oct.	1 1/4" Sq.	9	9"	BS147
CS	Hex. Rd.	5/8" Oct.	1 1/4" Sq.	9	9"	CS148

Straight Calking Tool



Shank Type		Size Stock	Length Overall	Blade Thickness	Catalog Number
A	Rd.	13/16" Oct.	9"	3/8"	A241
B	Diff.	13/16" Oct.	9"	3/8"	B242
C	Hex. Rd.	13/16" Oct.	9"	3/8"	C243
A	Rd.	13/16" Oct.	9"	1/2"	AS244
B	Diff.	13/16" Oct.	9"	1/2"	BS245
C	Hex. Rd.	13/16" Oct.	9"	1/2"	CS246

Blank



Shank Type		Size Stock	Length Overall	Catalog Number
F	Rd. Coll. Ret.	7/8" Rd.	9"	F300
F	Rd. Coll. Ret.	7/8" Rd.	12"	F301
G	Hex. Rd. Coll. Ret.	7/8" Rd.	9"	G302
G	Hex. Rd. Coll. Ret.	7/8" Rd.	12"	G303

Bull Point



Shank Type		Size Stock	Length Overall	Catalog Number
F	Rd. Coll. Ret.	7/8" Rd.	9"	F304
F	Rd. Coll. Ret.	7/8" Rd.	12"	F305
G	Hex. Rd. Coll. Ret.	7/8" Rd.	9"	G306
G	Hex. Rd. Coll. Ret.	7/8" Rd.	12"	G307

Cold Chisel



Shank Type		Size Stock	Length Overall	Catalog Number
F	Rd. Coll. Ret.	7/8" Rd.	9"	F308
F	Rd. Coll. Ret.	7/8" Rd.	12"	F309
G	Hex. Rd. Coll. Ret.	7/8" Rd.	9"	G310
G	Hex. Rd. Coll. Ret.	7/8" Rd.	12"	G311

ABSOLUTE
GUARANTEE
BACKS
EVERY
VULCAN
TOOL

STAR DRILL

With Type "C" Shank



Bit Size	Drilling Depth	Catalog Number
$\frac{3}{8}$ "	8"	C320
	12"	C321
$\frac{1}{2}$ "	8"	C322
	12"	C323
$\frac{5}{8}$ "	8"	C324
	12"	C325

Bit Size	Drilling Depth	Catalog Number
$\frac{3}{4}$ "	8"	C326
	12"	C327
$\frac{7}{8}$ "	8"	C328
	12"	C329
1 "	8"	C330
	12"	C331

STAR DRILL

With Type "J" Shank



Bit Size	Drilling Depth	Catalog Number
$\frac{3}{8}$ "	8"	J340
	12"	J341
$\frac{1}{2}$ "	8"	J342
	12"	J343
$\frac{5}{8}$ "	8"	J344
	12"	J345
	18"	J346
$\frac{3}{4}$ "	8"	J347
	12"	J348
	18"	J349

Bit Size	Drilling Depth	Catalog Number
$\frac{7}{8}$ "	8"	J350
	12"	J351
	18"	J352
1 "	8"	J353
	12"	J354
	18"	J355
$1\frac{1}{8}$ "	12"	J356
	18"	J357
$1\frac{1}{4}$ "	12"	J358
	18"	J359

ROTATING WRENCH

Used with Type "J" Shank Tools. Made in one size only. Catalog No. J360.





Chipping Hammer Tools

PLUG DRILL BIT



Used with plug drilling machine for drilling plug holes, three to four inches deep, for splitting stone or granite blocks with wedges and shims, as shown on catalog page 37. The regular length is about 18" overall and the standard shank size is $\frac{1}{16}$ " diameter, 2 $\frac{1}{2}$ " long.

See Our Latest
Price List

Size of Stock	Size of Bit	Size of Bit End Not Sharpened	Average Weight per 100	Catalog Number
$\frac{3}{4}$ " qr. oct.	$\frac{3}{4}$ "	$\frac{9}{16}$ "	200 lbs.	1106
$\frac{3}{4}$ " qr. oct.	$\frac{5}{8}$ "	$\frac{1}{2}$ "	190 lbs.	1107
$\frac{3}{4}$ " qr. oct.	$\frac{1}{2}$ "	$\frac{7}{16}$ "	150 lbs.	1108

Furnished with shank to fit standard chipping hammer if desired.

BUSH CHISEL



Used for finishing granite or for smoothing concrete walls or floors. Do not use on concrete unless it is absolutely dry. Furnished with round shank to fit standard chipping hammer.

Size	Opening for Blades	Number of Blades	Size of Shank	Catalog Number
0	$\frac{3}{4}$ "	4, 6 or 8	.680" x 2 $\frac{3}{8}$ "	1118

Furnished with 4 blades unless otherwise ordered.

TOOTH CHISEL



This tool is largely used for finishing concrete walls or other surfaces where a rough pick finish is required.

Size of Stock	Size of Shank	Length Overall	Number of Teeth	Catalog Number
$\frac{7}{8}$ "	.680 x 2 $\frac{3}{8}$ "	6"	4	1117

Furnished with shank to fit Electric Hammers if desired.



ELECTRIC HAMMER TOOLS



VULCAN TOOL MANUFACTURING COMPANY

41 LIBERTY STREET • QUINCY 69 • MASSACHUSETTS



Electric Hammer Tools



Blank



Bull Point



Bushing Tool



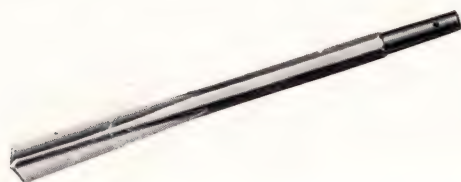
Cold Chisel



Scaling Chisel



Seam or Mortar Chisel



Star Drill

Electric Hammer Tools are made in sizes to fit a great variety of hammers. See our price sheet for detailed information on popular items and sizes. It is important when ordering to specify the make and size of hammer or the manufacturer's tool number.

FOR
BETTER
WORK
USE
**VULCAN
TOOLS**



HAND TOOLS



VULCAN TOOL MANUFACTURING COMPANY

41 LIBERTY STREET • QUINCY 69 • MASSACHUSETTS



Hand Tools

HAND POINT

Points are made from Quarter-Octagon Steel. Furnished sharpened ready for use unless otherwise ordered.



See Our Latest
Price List

Size of Stock	Average Weight Per 100	Average Length	Catalog Number
$\frac{3}{4}$ "	120 lbs.	$8\frac{1}{2}$ "	1171
$\frac{7}{8}$ "	175 lbs.	9 "	1172
1 "	250 lbs.	10 "	1173

HAND CHISEL

Chisels are made from Quarter-Octagon Steel. Furnished sharpened ready for use unless otherwise ordered.



Size of Stock	Average Weight Per 100	Average Length	Catalog Number
$\frac{3}{4}$ "	120 lbs.	$8\frac{1}{2}$ "	1177
$\frac{7}{8}$ "	175 lbs.	9 "	1178
1 "	250 lbs.	10 "	1179

HAND SET or PITCHING TOOL



Size of Stock	Width of Blade	Length	Weight	Catalog Number
$\frac{3}{4}$ "	$1\frac{3}{8}$ "	$7\frac{1}{2}$ "	$1\frac{1}{4}$ lbs.	1183
$\frac{7}{8}$ "	$1\frac{1}{2}$ "	8 "	$1\frac{3}{4}$ lbs.	1184
1 "	$1\frac{3}{4}$ "	8 "	$2\frac{1}{4}$ lbs.	1185
$1\frac{1}{8}$ "	$1\frac{7}{8}$ "	$8\frac{1}{2}$ "	$2\frac{3}{4}$ lbs.	1186
$1\frac{1}{4}$ "	2 "	9 "	$3\frac{1}{2}$ lbs.	1187

Note: — This tool has a rectangular cutting face $\frac{3}{8}$ " to $\frac{1}{2}$ " wide depending on width of blade.

VULCAN
TOOLS
ARE OF
UNIFORM
QUALITY

HAND TRACER

See Our Latest
Price List



Size of Stock	Width of Blade	Length	Weight	Catalog Number
$\frac{3}{4}$ "	$1\frac{1}{2}$ "	7 "	$1\frac{1}{8}$ lbs.	1188
$\frac{7}{8}$ "	$1\frac{3}{4}$ "	$7\frac{1}{2}$ "	$1\frac{1}{2}$ lbs.	1189
1 "	2 "	8 "	$1\frac{3}{4}$ lbs.	1190
$1\frac{1}{8}$ "	$2\frac{1}{4}$ "	8 "	$2\frac{1}{4}$ lbs.	1191
$1\frac{1}{4}$ "	$2\frac{1}{4}$ "	$8\frac{1}{2}$ "	3 lbs.	1192

HAND BUSH HAMMER

These hammers are suitable for bushing either
Granite or Concrete.

Caution: This type hammer must not be used on
concrete unless it is dry and well seasoned.

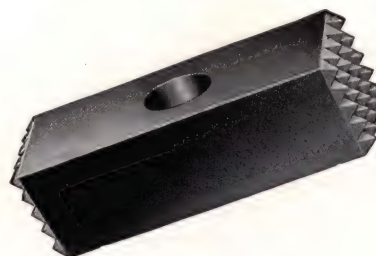


Size	Opening of Jaws	Blades per End	Weight	Catalog Number
No. 1	$\frac{7}{8}$ "	4	9 lbs.	1193
No. 2	$\frac{7}{8}$ "	6	9 lbs.	1194
No. 3	$\frac{3}{4}$ "	8	7 lbs.	1195
No. 4	$\frac{5}{8}$ "	4	$4\frac{3}{4}$ lbs.	1196
No. 5	$\frac{5}{8}$ "	5	$4\frac{3}{4}$ lbs.	1197
No. 6	$\frac{5}{8}$ "	6	$4\frac{3}{4}$ lbs.	1198

Note: — Hammers with coarser blades are preferable for use on concrete.

SOLID BUSH HAMMER

Teeth are machine cut. Suitable for stone or concrete.



Size of Stock	Length	Weight	No. of Teeth Each End	Catalog Number
$1\frac{1}{4}$ " Square	$4\frac{1}{2}$ "	2 lbs.	9	1199
$1\frac{1}{2}$ " Square	$4\frac{3}{4}$ "	3 lbs.	9 or 16	1200
$1\frac{3}{4}$ " Square	$5\frac{1}{2}$ "	4 lbs.	16	1201
2 " Square	$5\frac{1}{4}$ "	5 lbs.	16 or 25	1202
2 " Square	$6\frac{1}{4}$ "	6 lbs.	16 or 25	1203



Hand Tools

HAND PLUG DRILL



Size of Stock	Average Weight Per 100	Size of Bit	Catalog Number
$\frac{3}{4}$ "	150 lbs.	$\frac{1}{2}$ "	1180
$\frac{3}{4}$ "	200 lbs.	$\frac{5}{8}$ "	1181
$\frac{3}{4}$ "	300 lbs.	$\frac{3}{4}$ "	1182

Regular length about 18". Furnished sharpened ready to use unless otherwise ordered.
Drills with $\frac{5}{8}$ " bit are most commonly used and are suitable for Wedges from 3" to $3\frac{3}{4}$ " long.

HAND BULL POINT

Made from Octagon Tool Steel. When ordering specify size of steel and length desired.



Size Stock	Length	Weight	Catalog Number
$\frac{3}{4}$ "	12"	$1\frac{3}{4}$ lbs.	1210
	18"	$2\frac{1}{2}$ lbs.	1211
$\frac{7}{8}$ "	12"	$2\frac{1}{4}$ lbs.	1212
	18"	$3\frac{1}{4}$ lbs.	1213
1 "	12"	$2\frac{3}{4}$ lbs.	1214
	18"	4 lbs.	1215
	24"	$5\frac{3}{4}$ lbs.	1216
$1\frac{1}{8}$ "	18"	5 lbs.	1217
	24"	7 lbs.	1218
	30"	$8\frac{3}{4}$ lbs.	1219
$1\frac{1}{4}$ "	18"	$6\frac{1}{4}$ lbs.	1220
	24"	$8\frac{1}{2}$ lbs.	1221
	30"	10 lbs.	1222
	36"	13 lbs.	1223
$1\frac{1}{2}$ "	24"	12 lbs.	1224
	36"	$18\frac{1}{2}$ lbs.	1225

DIGGING BAR

(Not Illustrated) — Catalog Number 1226

Made from Octagon Tool Steel from 1" to $1\frac{1}{2}$ " diameter in any desired length. Usually furnished with chisel point on one end and round pencil point on other end.

See Our Latest
Price List

**VULCAN
TOOLS
MEAN
MORE
EFFICIENT
WORKMAN-
SHIP**

Hand Tools



PAGE
35

DIAMOND POINT STONE DRILL



See Our Latest
Price List

Size Stock	Size Bit	Length	Weight	Catalog Number
$\frac{5}{16}$ "	$\frac{3}{8}$ "	12"	.28 lbs.	1227
$\frac{3}{8}$ "	$\frac{1}{2}$ "	12"	.40 lbs.	1228
$\frac{1}{2}$ "	$\frac{5}{8}$ " $\frac{3}{4}$ "	12" 12"	.70 lbs. .70 lbs.	1229 1230
$\frac{5}{8}$ "	$\frac{7}{8}$ "	12"	1.10 lbs.	1231
$\frac{3}{4}$ "	1 "	12" 18"	$1\frac{3}{4}$ lbs. $2\frac{1}{2}$ lbs.	1232 1233
$\frac{7}{8}$ "	$1\frac{1}{8}$ " or $1\frac{1}{4}$ "	12" 18" 24"	$2\frac{1}{4}$ lbs. $3\frac{1}{4}$ lbs. $4\frac{1}{2}$ lbs.	1234 1235 1236
1 "	$1\frac{3}{8}$ " or $1\frac{1}{2}$ "	12" 18" 24"	3 lbs. $4\frac{1}{4}$ lbs. $5\frac{3}{4}$ lbs.	1237 1238 1239
$1\frac{1}{8}$ "	$1\frac{1}{2}$ " or $1\frac{5}{8}$ "	18" 24" 30"	$5\frac{1}{2}$ lbs. $7\frac{1}{4}$ lbs. 9 lbs.	1240 1241 1242
$1\frac{1}{4}$ "	$1\frac{3}{4}$ " or 2 "	24" 30" 36"	9 lbs. 11 lbs. $13\frac{1}{4}$ lbs.	1243 1244 1245

Always specify size of stock, size of bit and length desired.

HAND CHISEL BAR



Size Stock	Length	Weight	Catalog Number
$\frac{3}{4}$ "	18" 24" 30"	$2\frac{1}{2}$ lbs. $3\frac{1}{4}$ lbs. 4 lbs.	1246 1247 1248
$\frac{7}{8}$ "	18" 24" 30"	$3\frac{1}{4}$ lbs. $4\frac{1}{2}$ lbs. $5\frac{1}{2}$ lbs.	1249 1250 1251
1 "	18" 24" 30" 36"	4 lbs. $5\frac{3}{4}$ lbs. 7 lbs. $8\frac{1}{2}$ lbs.	1252 1253 1254 1255
$1\frac{1}{8}$ "	24" 30" 36"	7 lbs. $8\frac{3}{4}$ lbs. $10\frac{1}{2}$ lbs.	1256 1257 1258
$1\frac{1}{4}$ "	24" 30" 36"	$8\frac{1}{2}$ lbs. 10 lbs. 13 lbs.	1259 1260 1261

VULCAN
TOOLS
ARE
MADE
TO LAST
LONGER



Hand Tools

See Our Latest
Price List

HAND STAR DRILL

These drills are forged from carbon tool steel and tempered suitable for drilling brick or concrete.



Size of Bit	Length	Size of Stock	Weight Each	Catalog Number
1/4"	8"	3/16"	.07 lbs.	1262
	12"		.10 lbs.	1263
5/16"	8"	1/4"	.12 lbs.	1264
	12"		.18 lbs.	1265
3/8"	8"	5/16"	.18 lbs.	1266
	12"		.28 lbs.	1267
	18"		.42 lbs.	1268
1/2"	8"	3/8"	.26 lbs.	1269
	12"		.40 lbs.	1270
	18"		.60 lbs.	1271
5/8"	8"	7/16"	.36 lbs.	1272
	12"		.54 lbs.	1273
	18"		.81 lbs.	1274
3/4"	12"	1/2"	.70 lbs.	1275
	18"		1.05 lbs.	1276
	24"		1.40 lbs.	1277
7/8"	12"	9/16"	.89 lbs.	1278
	18"		1.33 lbs.	1279
	24"		1.78 lbs.	1280
1 "	12"	3/4"	1.58 lbs.	1281
	18"		2.37 lbs.	1282
	24"		3.16 lbs.	1283
1 1/8"	12"	3/4"	1.58 lbs.	1284
	18"		2.37 lbs.	1285
	24"		3.16 lbs.	1286
1 1/4"	12"	7/8"	2.16 lbs.	1287
	18"		3.24 lbs.	1288
	24"		4.32 lbs.	1289
1 3/8"	12"	1 "	2.82 lbs.	1290
	18"		4.23 lbs.	1291
	24"		5.64 lbs.	1292
1 1/2"	12"	1 "	2.82 lbs.	1293
	18"		4.23 lbs.	1294
	24"		5.64 lbs.	1295

In addition to the sizes listed we can furnish any bit size up to 2" diameter.
Furnished with shank to fit any type of Pneumatic Chipping or Electric Hammer. See Pages 27 & 30.

CHOICE OF
VULCAN
TOOLS
SIGNIFIES
WISE
ECONOMY

WEDGES AND SHIMS

(Plugs and Feathers)

Vulcan Wedges are forged from first quality wedge steel, and heat treated to insure absolute uniformity and toughness.



See Our Latest
Price List

Size No.	Length	Size Steel in Wedge	Suitable for Drill Hole Size	* Approx. Wt. Per 100 Sets	Catalog Number
3	3 "	1/2" sq.	5/8"	28 lbs.	1301
3 1/4	3 1/4"	1/2" sq.	5/8"	30 lbs.	1302
3 1/2	3 1/2"	9/16" x 1/2"	5/8"	35 lbs.	1303
3 3/4	3 3/4"	9/16" x 1/2"	5/8"	38 lbs.	1304
4	4 "	5/8" x 1/2"	3/4"	43 lbs.	1305

DEEP HOLE WEDGES AND SHIMS

Made in the following sizes for use in splitting large granite blocks and concrete construction.

Length	Size of Wedge at Top	Suitable for Drill Hole Size	* Approx. Weight Per Set	Catalog Number
6"	3/4" x 7/8"	1 1/4"	1 3/4 lbs.	1306
8"	7/8" sq.	1 3/8"	2 1/4 lbs.	1307
10"	1 " sq.	1 1/2"	3 3/4 lbs.	1308
12"	1 " sq.	1 1/2"	4 3/4 lbs.	1309
	1 1/4" sq.	1 3/4"	7 1/2 lbs.	1310
	1 1/2" sq.	2 "	10 lbs.	1311
15"	1 1/4" sq.	1 3/4"	10 1/2 lbs.	1312
	1 1/2" sq.	2 "	13 1/2 lbs.	1313
18"	1 1/4" sq.	1 3/4"	12 lbs.	1314
	1 1/2" sq.	2 "	18 lbs.	1315

* A Set consists of one Wedge and two Shims.

The depth of drill hole must at least equal the wedge length.



See Our Latest
Price List

CONCRETE BUSH CHISEL

(Square Type)

Made from 1¼" square Tool Steel about 8" long.
Weight about 2¼ pounds.

Catalog Number 1316



CONCRETE BUSH CHISEL

(Flat Type)

Made from 2" x 1" Tool Steel about 9" long.
Weight about 3 pounds.

Catalog Number 1317



CONCRETE CHIPPING HAMMER

For roughing concrete surfaces before applying water-proofing compound — 2" wide, 9" long, weight about 4 pounds.

Catalog Number 1318



BULL SET

Made in weights from 8 to 12 pounds.

Catalog Number 1323



BETTER
SERVICE
IS DERIVED
FROM
VULCAN
TOOLS

BRICK CHISEL

Made from $\frac{3}{4}$ " Quarter Octagon Tool Steel. Sharpened with long chisel point for cutting out brick walls.



Length	Weight	Catalog Number
12"	1 $\frac{3}{4}$ lbs.	1328
15"	2 $\frac{1}{4}$ lbs.	1329
18"	2 $\frac{3}{4}$ lbs.	1330
24"	3 $\frac{3}{4}$ lbs.	1331

See Our Latest
Price List

BRICK SET



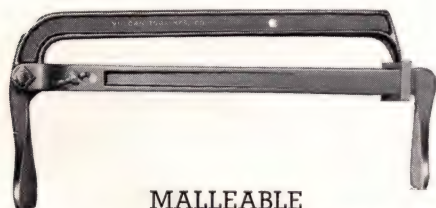
Size of Cut	Size of Handle	Length Overall	Weight	Catalog Number
3 "	$\frac{7}{8}$ "	7"	2 lbs.	1337
3 $\frac{1}{2}$ "	$\frac{7}{8}$ "	7"	2 $\frac{1}{4}$ lbs.	1338
4 "	$\frac{7}{8}$ "	7"	2 $\frac{1}{2}$ lbs.	1339

JOINT CUTTER

Commonly called a Brick Joint Cleaning Chisel. Also made with shank to fit Electric or Pneumatic Chipping Hammers, see pages 26 and 30.



Thickness of Cutting Edge	Length of Blade	Length Overall	Weight	Catalog Number
$\frac{1}{4}$ "	6"	11"	$\frac{3}{4}$ lb.	1155
$\frac{3}{8}$ "	6"	11"	1 lb.	1156



MALLEABLE

Catalog No. 1336M — Weight 5 $\frac{1}{2}$ lbs.

Our Malleable Brick Clamp has gained national recognition as the finest and most durable brick carrier made. A typical "VULCAN" product, light-weight and convenient, for use wherever careful handling of finished brick is required.

BRICK CLAMP



PRESSED STEEL

Catalog No. 1336S — Weight 4 $\frac{1}{2}$ lbs.

Our Pressed Steel Brick Clamp was designed to meet the demand for a lower priced carrier. It embodies all the desirable characteristics of our malleable clamp and has proved to be the strongest and most durable pressed steel carrier made.

Both types readily adjustable to take from 6 to 10 bricks.



Hand Tools

CALKING TOOL

Made from $\frac{7}{8}$ " quarter octagon tool steel with blade $\frac{7}{8}$ " wide, $1\frac{3}{4}$ " long. Overall length $8\frac{1}{2}$ ".



Size No.	Thickness of Blade	Weight	Catalog Number
1	$\frac{1}{8}$ "	$1\frac{1}{4}$ lbs.	1351
2	$\frac{1}{4}$ "	$1\frac{1}{4}$ lbs.	1352
3	$\frac{3}{8}$ "	$1\frac{1}{2}$ lbs.	1353
4	$\frac{1}{2}$ "	$1\frac{1}{2}$ lbs.	1354
5	$\frac{5}{8}$ "	$1\frac{3}{4}$ lbs.	1355
6	$\frac{3}{4}$ "	$1\frac{3}{4}$ lbs.	1356

YARNING TOOL

Made from $\frac{7}{8}$ " octagon tool steel with blade $\frac{1}{8}$ " thick, 4" long.

Length Overall	Weight	Catalog No.
10"	$1\frac{1}{2}$ lbs.	1513

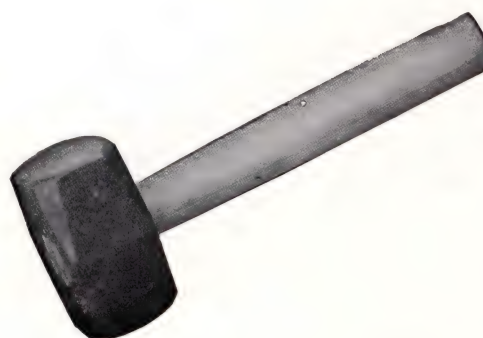


See Our Latest
Price List

CALKING HAMMER

Length of Handle 10".
Weight of Handle only, $\frac{1}{4}$ pound.

Weight	Size of Hammer	Catalog Number
$2\frac{1}{2}$ lbs.	$1\frac{3}{4}$ " sq. $3\frac{1}{2}$ " long	1357
3 lbs.	$1\frac{3}{4}$ " sq. $3\frac{7}{8}$ " long	1358
$3\frac{1}{2}$ lbs.	$1\frac{7}{8}$ " sq. 4" long	1359
4 lbs.	2" sq. $4\frac{1}{4}$ " long	1360



DIAMOND POINT DOG CHISEL

For cutting heavy cast-iron pipe.
Forged from $1\frac{1}{2}$ " square alloy steel.

Length Overall	Weight	Catalog No.
$7\frac{1}{2}$ "	$3\frac{1}{8}$ lbs.	1514

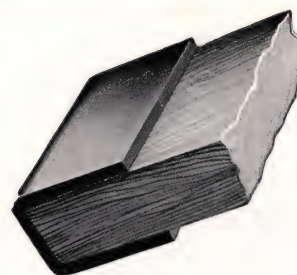


Note: — The tools listed on this page are for use on GAS and WATER MAINS and should not be confused with lighter tools as used in the plumbing trade.

A VULCAN
USER
IS A
SATISFIED
USER

OPEN END PLANK CAP

Forged from Steel Plate



Plank Size	Weight	Catalog Number
2" x 6"	10 lbs.	1344
2" x 8"	14 lbs.	1345
3" x 6"	11 lbs.	1346
3" x 8"	14 lbs.	1347

SHEATHING CLAMP

Forged from steel 3" wide, 1½" thick.



See Our Latest
Price List

Size	Width and Depth of Opening	Weight	Catalog Number
2"	2¼" x 8"	30 lbs.	1348
3"	3¼" x 8"	31 lbs.	1349

TIMBER TONGS



Size No.	Capacity	Maximum Opening	Weight	Catalog Number
1	1,000 lbs.	18"	16 lbs.	1364
2	2,000 lbs.	24"	23 lbs.	1365
3	3,000 lbs.	30"	28 lbs.	1366



GRAB CHAIN

Made from best quality Hand Made Iron Chain (tested) and fitted with Steel Dog Hooks as shown below.

See Our Latest
Price List



Size of Chain	Length of Chain	Capacity	Weight	Catalog Number
1/2"	12'	4 tons	50 lbs.	1385
5/8"	14'	6 tons	90 lbs.	1386
3/4"	16'	9 tons	160 lbs.	1387

STONE (LIFTING) DOG



Size No.	Chain Size	Capacity Per Pair	Weight Per Pair	Catalog Number
1	1/2"	4 tons	14 lbs.	1388
2	5/8"	6 tons	25 lbs.	1389
3	3/4"	9 tons	44 lbs.	1390

PIN LEWIS

Used for lifting rough or finished building stone. Safe and convenient.



Size of Pins	Length of Pins	Weight Per Pair	Catalog Number
5/8"	4 "	4 lbs.	1375
3/4"	4 1/2"	5 lbs.	1376
7/8"	5 "	6 lbs.	1377
1 "	6 "	10 lbs.	1378
1 1/8"	7 "	15 lbs.	1379
1 1/4"	7 "	20 lbs.	1380

WHERE
OTHERS
FAIL
VULCAN
TOOLS
SUCCEED

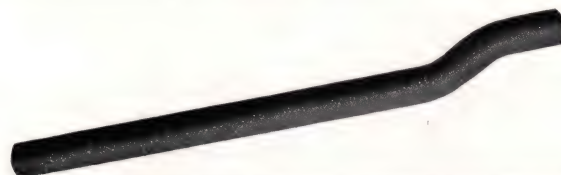
STRAIGHT DOLLY BAR

Vulcan Dolly Bars are cupped *both* ends for same size of rivet unless otherwise ordered.



Rivet Size	Length	Size Stock	Weight	Catalog Number
$\frac{3}{8}$ "	24"	$1\frac{1}{2}$ "	12 lbs.	1428
$\frac{1}{2}$ "	24"	$1\frac{5}{8}$ "	14 lbs.	1429
$\frac{5}{8}$ "	24"	$1\frac{3}{4}$ "	16 lbs.	1430
$\frac{3}{4}$ "	30"	2 "	27 lbs.	1431
$\frac{7}{8}$ "	30"	2 "	27 lbs.	1432
1 "	30"	$2\frac{1}{8}$ "	30 lbs.	1433

OFFSET DOLLY BAR (CLUB DOLLY)



Rivet Size	Length	Size Stock	Weight	Catalog Number
$\frac{3}{8}$ "	24"	$1\frac{1}{2}$ "	12 lbs.	1434
$\frac{1}{2}$ "	24"	$1\frac{5}{8}$ "	14 lbs.	1435
$\frac{5}{8}$ "	24"	$1\frac{3}{4}$ "	16 lbs.	1436
$\frac{3}{4}$ "	30"	2 "	27 lbs.	1437
$\frac{7}{8}$ "	30"	2 "	27 lbs.	1438
1 "	30"	$2\frac{1}{8}$ "	30 lbs.	1439

HEEL DOLLY



Rivet Size	Length	Weight	Catalog Number
$\frac{5}{8}$ "	48"	18 lbs.	1440
$\frac{3}{4}$ "	48"	20 lbs.	1441
$\frac{7}{8}$ "	48"	20 lbs.	1442
1 "	48"	23 lbs.	1443

HOLDING-ON SLEDGE (SPRING DOLLY)



Rivet Size	Length Overall	Size of Handle	Weight	Catalog Number
$\frac{3}{8}$ "	48"	1 "	16 lbs.	1444
$\frac{1}{2}$ "	48"	1 "	18 lbs.	1445
$\frac{5}{8}$ "	48"	$1\frac{1}{8}$ "	21 lbs.	1446
$\frac{3}{4}$ "	48"	$1\frac{1}{8}$ "	22 lbs.	1447
$\frac{7}{8}$ "	48"	$1\frac{1}{8}$ "	22 lbs.	1448
1 "	48"	$1\frac{1}{4}$ "	28 lbs.	1449

The tools listed on this page are regularly cupped for Button Head rivets. Other styles made to order.



HAND RIVET BUSTER

Made from 1¼" octagon tool steel. Length 24". Weight 8½ lbs. Catalog Number 1463.



SIDE SET OR BUSTER

Forged from 1½" square special alloy steel especially heat treated for severe service. Length 7½". Weight 3¼ pounds. Catalog Number 1462.



ROUND RIVET BUSTER

Forged from 1½" square Tool Steel. Cutting edge 1½" diameter with concaved face. Overall length 7". Weight 4 pounds. Catalog Number 1454.



CONSTRUCTION CHISEL

Forged from 1½" square special alloy steel especially heat treated for severe service. Length 7". Weight 3½ pounds. Catalog Number 1455.

This tool is sometimes called a "Dog Chisel" for cutting cast-iron pipe. See also "Diamond Point Dog Chisel" on catalog page 40.



BACKING-OUT PUNCH

See Our Latest
Price List



Size	Size Stock at Eye	Weight	Catalog Number
3/8"	1¼" sq.	1½ lbs.	1456
1/2"	1¼" sq.	1¾ lbs.	1457
5/8"	1¾" sq.	2 lbs.	1458
3/4"	1¾" sq.	2¼ lbs.	1459
7/8"	1½" sq.	3 lbs.	1460
1"	1½" sq.	3¼ lbs.	1461

VULCAN
TOOLS
CAN BE
RELIED
ON

See Our Latest
Price List

STRUCTURAL DRIFT PIN

Forged from a very hard and tough grade of Tool Steel with tapered ends as shown in cut.

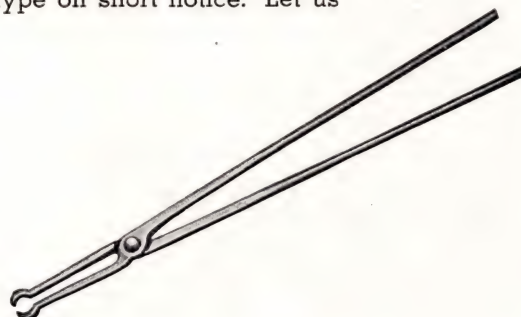


Size of Steel	Length	Aver. Weight Per 100	Catalog Number
$\frac{7}{16}$ "	6 "	21 lbs.	1412
$\frac{9}{16}$ "	$6\frac{1}{2}$ "	37 lbs.	1413
$\frac{11}{16}$ "	7 "	57 lbs.	1414
$\frac{13}{16}$ "	$7\frac{1}{2}$ "	83 lbs.	1415
$\frac{15}{16}$ "	8 "	120 lbs.	1416
$1\frac{1}{16}$ "	$8\frac{1}{2}$ "	150 lbs.	1417
$1\frac{3}{16}$ "	9 "	200 lbs.	1418
$1\frac{5}{16}$ "	9 "	250 lbs.	1419

We can furnish special Drift Pins of any size or type on short notice. Let us quote on your specifications.

RIVET TONG

We can vary shape of jaws to suit requirements.



Standard Lengths Overall	Length of Jaws	Weight	Catalog Number
18"	5"	$1\frac{1}{2}$ lbs.	1420
24"	5"	$1\frac{3}{4}$ lbs.	1421
30"	5"	$2\frac{1}{8}$ lbs.	1422

STRUCTURAL WRENCH

Straight Opening with Offset Head for U. S. Standard Nuts. A Steel Wrench of superior quality. Light weight and guaranteed to give long satisfactory service.



Bolt Size	Jaw Opening	Length	Weight	Catalog Number
$\frac{1}{2}$ "	$\frac{15}{16}$ "	13"	$1\frac{1}{2}$ lbs.	1423
$\frac{5}{8}$ "	$1\frac{1}{16}$ "	16"	2 lbs.	1424
$\frac{3}{4}$ "	$1\frac{1}{4}$ "	17"	$2\frac{1}{2}$ lbs.	1425
$\frac{7}{8}$ "	$1\frac{1}{2}$ "	21"	$3\frac{1}{2}$ lbs.	1426
1 "	$1\frac{11}{16}$ "	24"	$5\frac{1}{4}$ lbs.	1427



Hand Tools

CONNECTING BAR

See Our Latest
Price List



Size Stock	Length	Weight	Catalog Number
$\frac{3}{4}$ "	24"	3 $\frac{1}{4}$ lbs.	1464
$\frac{3}{4}$ "	30"	4 lbs.	1465
$\frac{7}{8}$ "	24"	4 $\frac{1}{4}$ lbs.	1466
$\frac{7}{8}$ "	30"	5 lbs.	1467
1 "	24"	5 $\frac{3}{4}$ lbs.	1468
1 "	30"	7 lbs.	1469
1 "	36"	8 $\frac{1}{2}$ lbs.	1470

HOSE SPANNER

For tightening pin lug couplings on Suction Hose.



Size Hose	Length	Weight	Catalog Number
1 $\frac{1}{2}$ "	12"	$\frac{3}{4}$ lb.	830
2 "	15"	1 $\frac{1}{2}$ lbs.	831
2 $\frac{1}{2}$ "	18"	2 lbs.	832
3 "	20"	2 $\frac{1}{4}$ lbs.	833
4 "	21"	2 $\frac{1}{2}$ lbs.	834

BUILDING WRECKERS' ADZE

Used for lifting boards or flooring, when it is desirable to save the lumber for further use. Rectangular eye takes standard Pick Handle slightly squared on end. Overall length 15". Width of blade 2 $\frac{1}{2}$ ". Weight 5 pounds. Catalog Number 1335.



FOR THAT
EXTRA
HARD
TRY A
VULCAN

Index

GENERAL TOOL CLASSIFICATION

	PAGE		PAGE
Pavement Breaking Tools	8-17 incl.	Pneumatic Chipping Tools	24-28
Clay Digging Tools	18-19	Electric Hammer Tools	30
Drill Steels	20-21	Hand Tools	32-46
<hr/>			
Guarantee and Trade Customs	4	Chisel Mortar	30
Code Words	5	Round Nose Cape	25
Steel Treatment	6	Scaling	26, 30
— A —		Seam	30
Adze, Building Wreckers'	46	Tooth	28
Asphalt Cutter, 5"	12	Chisel Bits	9, 11, 12
Axe Blade	19	Narrow, Super-Service	9
— B —		Standard	11
Backing-Out Punch	44	3-inch, Super-Service	9
Bars, Chisel	35	Standard	11
Connecting	46	5-inch	12
Digging	34	Chisel Blank, Chipping	25, 26, 30
Dolly	43	Clay Digging	18
Tie Tamper	17	Clamps, Brick	39
Bits, Plug Drill	28	Sheathing	41
Blanks, Chisel	25, 26, 30	Clay Digger Chisel Blank	18
Breaker, Rock	15	Clay Spade, Heavy	13
Brick Chisel	39	Light	18
Clamp	39	Clay Scoop	18
Removing Wedge	15	Club Dolly	43
Set	33	Cold Chisel	25, 26, 30
Building Wreckers' Adze	46	Concrete Bush Chisel	38
Bull Points	25, 26, 30, 34	Concrete Chipping Hammer	38
Bull Set	38	Connecting Bar	46
Bush Chisel	28, 38	Construction Chisel	44
Hammer	33	Cutter, Asphalt	12
Bushing Tool	26, 30	Joint	26, 39
Buster, Rivet	44	— D —	
— C —		Demolition Chisel	9
Calking Hammer	40	Detachable Bit Rod	20
Tools	26, 40	Detachable Shank	14
Cape Chisels	25	Diamond Point Cold Chisel	25
Chain, Grab	42	Dog Chisel	40
Chipping Hammer, Concrete	38	Stone Drill	35
Chisel Bar	35	Digging Bar	34
Blank	25, 26, 30	Chisel	12
Brick	39	Dirt Tamper	14
Bush	28	Dog Chisel	42
Cape	25	Dog, Stone Lifting	42
Cold	25, 26, 30	Dolly Bars	43
Concrete Bush	38	Drift Pin, Structural	45
Construction	44	Drill Rods, Detachable Bit	20
Demolition	9	Drill Steels, Hollow	21
Diamond Point	25, 40	Solid	16
Digging	12	Drills, Diamond Point	35
Dog	40	Plug	28, 34
Hand	32	Star	27, 30, 36
		Drivers, Ground Rod	16
		Pin	13
		Sheathing	15



Index (continued)

— F —		PAGE			PAGE
Flat Picks, Clay Digger		19	Plug Drill Bit		28
Frost Wedge		12	Plugs & Feathers		37
— G —			Points, Bull	25, 26, 30, 34	
Gads (Narrow Chisel)	9, 11		Hand		32
Gouge, Stump Removing		17	Punch, Backing-Out		44
Grab Chain		42	— R —		
Ground Rod Drivers		16	Rivet Buster		44
— H —			Tong		45
Hammers, Bush		33	Rock Breaker		15
Calking		40	Rods, Detachable Bit		20
Concrete Chipping		38	Round Nose Cape Chisel		25
Hand Bull Point		34	Rotating Wrench		27
Bush Hammer		33	— S —		
Chisel		32	Scaling Chisel	26, 30	
Chisel Bar		35	Seam Chisel		30
Hand Plug Drill		34	Shank, Detachable		14
Point		32	Sheathing Cap		41
Rivet Buster		44	Clamp		41
Set		32	Driver		15
Star Drill		36	Shims & Wedges		37
Tracer		33	Side Set or Buster		44
Heel Dolly		43	Solid Bush Hammer		33
Holding-On Sledge		43	Drill Steels		16
Hollow Drill Steels		21	Spades, Heavy Clay		13
Hose Spanner		46	Light Clay		18
— J —			Spanner, Hose		46
Joint Cutters, Chipping Hammer		26	Splitting Wedges	13, 37	
Hand		39	Spring Dolly		43
— L —			Star Drills	27, 30, 36	
Lewis, Pin		42	Stone (Lifting) Dog		42
Lifting Dog		42	Drill		35
— M —			Structural Wrench		45
Moil Point, Super-Service	8		Stump Removing Gouge		17
Standard		10	— T —		
Mortar Chisel		30	Tampers, Dirt		14
— N —			Tie		17
Narrow Chisel Bit (Gad), Super-Service	9		Tie Tamper Bars		17
Standard		11	Timber Tongs		41
— O —			Tongs, Brick		39
Open End Plank Cap		41	Rivet		45
— P —			Timber		41
Picks, Flat		19	Tooth Chisel		28
Pin, Drift		45	Tracer, Hand		33
Driver		13	— W —		
Lewis		42	Wedges, Brick Removing		15
Pitching Tool		32	Frost		12
Plank Cap, Open End		41	Splitting	13, 37	
Plug Drill		34	Wedges & Shims		37
			Wrenches, Rotating		27
			Structural		45
			— Y —		
			Yarning Tool		40

